DEPARTMENT OF TRANSPORTATION

Adoption of Chapter 19-135
Hawaii Administrative Rules

August 20, 1986

SUMMARY

1. Chapter 19-135, Hawaii Administrative Rules, entitled "Periodic Safety Inspection of Mopeds", is adopted.

2. Exhibit dated September 18, 1984, at the end of this chapter, is incorporated in numerous sections.

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HAWAII ADMINISTRATIVE RULES

TITLE 19
DEPARTMENT OF TRANSPORTATION

SUBTITLE 5
MOTOR VEHICLE SAFETY OFFICE

CHAPTER 135
PERIODIC SAFETY INSPECTION OF MOPEDS

Subchapter 1 General Provisions

Subchapter 2 Inspection Stations

Subchapter 3 General Procedure For Inspection

SUBCHAPTER 1 GENERAL PROVISIONS

§19-135-1 Scope. This chapter shall apply to every moped offered for use upon, sold for use upon, or used upon the roadways and highways of the State. [Eff SEP. 15 1988] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-2 Purpose. The purpose of this chapter is to establish:

(1) Minimum periodic inspection requirements for mopeds; and
(2) Procedures concerning the issuance of a certificate of inspection upon satisfactory compliance with certification requirements. [Eff SEP. 15 1988] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-3 Definitions. As used in this chapter:

"Certified moped inspector" or "inspector" means a person who possesses a current, valid, moped inspector certificate issued by the county agency.

"Clockwise" and "counterclockwise" mean opposing directions of rotation around the following axes, as applicable:

(1) The operational axis of the ignition control, viewed from in front of the ignition lock opening;
(2) The axis of the right handlebar on which the twist-grip throttle is located, viewed from the end of that handlebar; or
(3) The axis perpendicular to the center of the speedometer when viewed from the operator's normal eye position.

"County agency" means the county department designated by the county council as the department having the responsibility for supervising and administering the periodic moped inspection program in that county.

"Director" means the director of the state department of transportation.

"FMVSS" means Federal Motor Vehicle Safety Standard as prescribed in 49 CFR Part 571, as it existed on April 1, 1985.

"Moped" shall mean as defined in section 291C-1, HRS.

"Official inspection station" or "inspection station" means a person, partnership, or corporation that is authorized and issued a permit by the county agency to conduct official moped safety inspections.

"Official moped safety inspection" or "inspection" means that safety inspection of moped equipment and components as required by this chapter.

"Periodic Moped Inspection Handbook" means the inspection criteria and procedures promulgated by the Department of Transportation on September 18, 1984, and hereafter referred to as "The Handbook", and is made a part of this chapter.

"State" means the State of Hawaii.

[Eff SEP. 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-4 Specific requirements. All mopeds shall be inspected and certified once every twelve months.

[Eff SEP. 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-5 Administration and enforcement. (a) Each county shall designate a county agency to administer and enforce this chapter with respect to the certification of inspection stations and inspectors in that county.

(b) The county agency shall be responsible for:

(1) Issuing permits for and the furnishing of instructions and all forms to official inspection stations within the county;

(2) Supervising and inspecting official inspection stations;

(3) Suspending or revoking permits issued to a station whenever the county agency determines through inspection or investigation that the station is not properly conducting moped inspections in accordance with this chapter; and

(4) Certifying persons as being authorized to conduct moped inspections. [Eff SEP. 15 1986] (Auth: HRS §§286-27, 291C-202) (Imp: HRS §§286-27, 291C-202)

SUBCHAPTER 2 INSPECTION STATIONS

§19-135-6 Inspection stations; permits; county responsibilities. The county agency shall be responsible for the following duties with respect to the application for an official moped inspection station permit:

(1) Issuing permits designating each inspection station that meets the minimum standards required by this chapter to conduct moped inspections;
(2) Inspecting the station facilities and equipment of each applicant to insure that the minimum standards required by this chapter are met;
(3) Ascertaining that each applicant meets the minimum requirements of this chapter with respect to having a certified moped inspector in its employ;
(4) Recording the results of all inspections of station facilities and equipment of each applicant;
(5) Maintaining a file of all records for each applicant from the date of application till the date of termination;
(6) Providing official application forms, approved by the director, for an inspection station permit; and
(7) Developing and issuing additional forms necessary to administer the issuance of official moped inspection station permits. [Eff SEP. 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-7 Types of inspection station permits. There shall be two types of inspection station permits to be designated as:

(1) Public permits - to conduct inspections on any moped that requires inspection; or
(2) Private permits - to conduct inspections only on those mopeds which are owned by the owner and operator of the official inspection station. A private station qualification shall be determined by the county agency. [Eff SEP. 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-8 Application for inspection station permits. (a) Each applicant for certification as an inspection station shall comply with the procedures set forth in this section.

(b) Application for the permit shall be made on an official form approved by the director and furnished by the county agency.

(c) The applicant shall provide the following information, to the county agency, on the approved form:

(1) The registered business name of the station;

(2) The exact address and location of the applicant's place of business where the moped inspections will be conducted. A separate application shall be made for each additional location owned or operated by the applicant which is to be certified as an inspection station;

(3) The name of the owner, manager, or supervisor who will be responsible and accountable for the moped inspections and the performance of the moped inspectors;

(4) The applicant's type of business; e.g., service station, moped rental, repair shop, moped dealer;

(5) Type of permit requested (public or private); and

(6) A list of the names and inspector certificate numbers of certified moped inspectors presently employed by the applicant as regular employees.

(d) The application form shall contain a statement that the applicant agrees to equip and maintain, at the applicant's own expense, all moped safety inspection facilities in accordance with the minimum standards set by this chapter, and conduct moped safety inspections as required by this chapter and the standards and criteria prescribed in "The Handbook" located at the end of this chapter.

(e) Each application for certification as an inspection station shall be signed by:

(1) The owner and notarized, if the applicant is a sole proprietorship;

(2) All partners and notarized, if the applicant is a partnership; or

(3) A person authorized to sign the application, if the applicant is a corporation. Written evidence of this authority shall be attached with the corporate seal affixed to the application form.

[Eff SEP. 5 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-9 Issuance of inspection station permits. (a) The county agency shall issue inspection station permits only to those applicant stations which have been certified by the county agency as meeting the standards set forth in this section.

(b) Each inspection station serving the public shall have a certified moped inspector scheduled to be available to conduct moped inspections for a total of four hours between 7:00 a.m. to 7:00 p.m. daily, except Saturdays, Sundays, and designated holidays.

(c) Personnel requirements shall be as follows:

(1) One supervisor, manager, or owner of each business operating one or more inspection stations shall be a certified moped inspector; and

(2) A minimum of two employees, including a supervisor, manager, or owner, at each inspection station shall be a certified moped inspector.

(d) Each inspection station shall conform to the following requirements:

(1) The inspection area shall:

(A) Have a minimum dimension of eight feet by ten feet;

(B) Have overhead protection from the weather;

(C) Be designated and marked as the inspection area;

(D) Be clean and orderly;

(E) Have a hard surface, such as concrete, and be in sound condition. Wood or dirt floors shall not be acceptable;

(F) Have a surface limited to a 2.5 per cent slope (three inches in ten feet); and

(G) Have no hazardous conditions that may injure persons or damage the moped;

(2) The total interior floor area and the exterior ground space, including parking areas which are used by the public, shall be free of dirt, gravel, grease, oil, debris, or other noxious, hazardous, or repulsive foreign substances;

(3) Every inspection station shall have a moped headlamp test area that is flat and level; and

(4) All inspection stations serving the public shall provide an off street parking area available for mopeds waiting to be inspected.

(e) Every inspection station shall have the following tools, equipment, and replacement parts available and in good working condition at the station location:

(1) One headlamp aiming device approved by the director;
(2) A moped repair stand;
(3) A tire tread depth gauge scored in 1/32 inch increments or fifteen centimeters scored in increments of one millimeter;
(4) A tire pressure gauge marked in pounds per square inch or its metric equivalent;
(5) A standard assortment of tools for removing and replacing wheels and tires, for removing and replacing exhaust pipes and mufflers, and for adjusting brakes;
(6) Assorted types and sizes of replacement parts, including:
    (A) Insulated wires;
    (B) Fuses; and
    (C) Light bulbs.

(f) Each public inspection station shall provide proof that there is in effect a liability insurance policy issued to the station owner or operator by an insurance company authorized to do business in the State. The policy shall insure the owner or operator and any other employee authorized to inspect mopeds in the minimum amount of $10,000 for comprehensive public liability for one person, $20,000 for one accident, and $5,000 for comprehensive property damage. [Eff SEP. 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-10 Inspection station permit form. (a) The inspection station permit shall be in a form approved by the director.

(b) The following information shall appear on the face of the permit:

(1) The registered name of the person, partnership, or corporation owning and operating the inspection station;
(2) The trade "dba" name of the inspection station;
(3) The address and location of the inspection station. If the inspection is conducted at a different location than the listed address, then both addresses and locations shall be included on the permit;
(4) A permit control number;

(5) The date the permit is issued;
(6) The type of inspection station, public or private (fleet); and
(7) The signature of the county agent authorized to issue inspection station permits, with the agent's position, title, and the name of the county agency typed under the signature.

(c) The permit shall be posted in a conspicuous place at the location where the inspections are conducted, and shall be visible to all moped owners who present their mopeds for inspection.

(d) The permit shall not be assigned, transferred, or used at any location other than the location listed on the face of the permit as the place where the inspection is to be conducted. [Eff SEP. 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-11 Inspector certification; county responsibilities. The county agency shall be responsible for:

(1) Issuing certificates authorizing persons to conduct moped inspections;
(2) Administering written and performance examinations for all applicants;
(3) Recording the results of all examinations;
(4) Maintaining a record of examination results for a period of one year from the date the applicant took the examination;
(5) Maintaining a record of examination results for the entire period for which an inspector's certificate is valid;
(6) Maintaining a file for all formerly certified moped inspectors for a period of one year after decertification; and
(7) Developing and issuing additional forms as may be necessary for administering the moped inspector certification process. All supplemental forms shall first be approved by the director.

[Eff SEP. 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-12 Application for inspector certification. (a) Application for moped inspector certification shall be made on a form furnished by the county agency and approved by the director.

(b) The applicant shall provide the following on the approved form:
(1) Type of application (original or renewal);
(2) Applicant's last name, first name, and middle initial(s);
(3) Applicant's home address;
(4) Applicant's telephone number;
(5) Applicant's date of birth;
(6) Type of Hawaii driver license and driver license number of the applicant;
(7) Applicant's driving experience in years and by type of vehicle;
(8) Applicant's technical licenses or certificates;
(9) Applicant's attendance at vocational and technical training schools, accompanied by a copy of certificates of successful completion;
(10) Applicant's formal schooling and the highest level successfully completed;
(11) Applicant's experience in vehicle or motorcycle safety inspection, automotive or motorcycle mechanics, or related experience;
(12) Applicant's signature and date of signature to the declaration that all furnished information is true, and that upon certification as a moped inspector, the applicant shall conduct moped safety inspections in accordance with this chapter; and
(13) The date the application is filed.
[Eff SEP 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-13 Issuance of inspector certificates. (a) The county agency shall issue official moped safety inspector certificates only to those applicants who meet the following minimum standards:
(1) Be able to read and legibly print the English language and Arabic numerals;
(2) Be at least eighteen years of age at the time of the application;
(3) Have a valid Hawaii driver license;
(4) Have at least:
(A) One year of training in automotive mechanics or motorcycle mechanics, or a related technical field at a school conducting regularly scheduled classes;
(B) Two years of employment experience in automotive, motorcycle, or moped maintenance, repair or service; or

(C) Satisfactorily completed a course of instruction approved by the director in vehicle, motorcycle, or moped safety inspection procedures administered by the proper county agency; and

(5) Have completed a written and performance examination, approved by the director and administered by the proper county agency. The minimum qualifying score on these examinations shall be eighty per cent.

(b) Each applicant may be required to attend a course of instruction in moped safety inspection procedures approved by the director. [Eff SEP. 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-14 Inspector certificate form. (a) The official moped inspector certificate shall be of a design approved by the director, and contain the following on the face of the certificate:

(1) The name of the person to whom the certificate is issued;
(2) The date the certificate is issued;
(3) The expiration date of the certification as a moped inspector;
(4) The signature of the county agent authorized to issue the certificate;
(5) The number of the certificate; and
(6) The signature of the person to whom the certificate is issued.

(b) The name and location of the inspection station shall be listed on the reverse side of the official moped inspector certificate. The county agency may, upon proper notification by the inspector and presentation of the inspector's valid certificate, list additional inspection stations where the inspector is authorized to conduct moped inspections.

(c) The official moped inspector certificate shall be displayed in a conspicuous place in the area where inspections are conducted. If the certified moped inspector conducts inspections at more than one location, a duplicate inspector's certificate shall be displayed at each additional location.

(d) The moped inspector's certificate authorizes the inspector to conduct official moped inspections only at station locations listed on the reverse side of the inspector's certificate.

(e) The county agency may issue duplicate moped inspector certificates upon satisfactory explanation by the inspector as to what happened to the original certificate. The duplicate certificate shall contain the following information:

(1) The original certificate control number with the word "duplicate" written after the number; and

(2) The expiration date specified on the original certificate.

(f) A moped safety inspector certificate shall expire four years from the date of issuance, unless revoked or suspended by the county agency.

(g) Recertification of moped safety inspectors shall conform to the following requirements:

(1) Application for renewal of certification shall be made by the moped safety inspector not more than sixty days prior to the expiration of the certificate;

(2) Recertification shall follow the certification procedure; and

(3) Every applicant for recertification shall satisfactorily complete both a written and performance examination approved by the director.

(h) The moped safety inspector certificate shall be valid only in the jurisdiction of the issuing county agency. [Eff SEP. 15 1988] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-15 Inspection stations; operating procedures. (a) Official moped inspection stations shall be operated in accordance with this chapter, chapter 19-131, and The Handbook.

(1) Inspection stations shall be operated with reasonable regard for the convenience of the public;

(2) Inspections shall be conducted only at official moped safety inspection stations which have been issued a permit by the county agency; and

(3) Inspections shall be conducted only by moped safety inspectors who have been issued a certificate by the county agency.

(b) The county agency shall furnish copies of the required forms, a copy of these rules, chapter 19-131, and The Handbook to every official moped inspection station. The county agency may require persons receiving any forms, rules, or The Handbook to pay the cost of those items.

(c) The county agency may require every inspection station to post a sign with a minimum area of one hundred forty four square inches, clearly legible from a public area, containing the words "Official Moped Safety Inspection Station", together with the identifying numbers and letters assigned to that station. Every sign shall display a reproduction of the safety inspection logo which appears on the safety inspection sticker. The reproduction shall be displayed upon a contrasting background and shall be of a size at least as large as the largest letter, numeral, or other character appearing elsewhere on the sign. [Eff SEP. 15 1988] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-16 Safety inspection records. (a) A moped safety certificate of inspection, as designated and approved by the director, shall be completed by the moped safety inspector for each moped inspected.

(b) The inspection station operator shall insure that copies of the completed certificate of inspection are distributed as indicated by printed markings thereon:

(1) One copy shall be sent to the county agency;

(2) One copy shall be retained by the inspection station for a period of at least one year; and

(3) One copy shall be given to the moped owner to be retained with the moped at all times.

(c) The county agency may require any inspection station operator to provide a summary report, approved by the director, of moped safety inspections conducted. The summary reports shall not be required more frequently than once each month. [Eff SEP. 15 1988] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-17 Inspection stations; supervision by the county agency. The county agency shall exercise supervisory control over all inspection stations under its jurisdiction. This supervisory function shall include, but not be limited to the following activities:

(1) Issuing any forms as may be required for:

(A) The preparation and maintenance of records concerning safety inspections;

(B) The preparation and submission of reports by inspection station operators;

(C) The use and condition of inspection station facilities and equipment used in the safety inspection of mopeds;

(2) Monitoring and inspecting inspection stations to:
  (A) Evaluate the procedures used in the safety inspection of mopeds;
  (B) Evaluate the condition of moped inspection facilities and equipment used in moped safety inspections;
  (C) Evaluate the condition and accuracy of test equipment used in moped safety inspections;
(3) Analyzing official moped inspection reports to evaluate the performance of inspection stations and take appropriate action as may be indicated;
(4) Preparing and maintaining appropriate records for each inspection station; and
(5) Preparing and submitting a report to the director at the end of each quarter covering periodic moped safety inspection activities within its jurisdiction. This report shall contain, but is not limited to, the following:
  (A) The number of moped inspection station applications processed;
  (B) The number of official inspection station permits suspended;
  (C) The number of official inspection station permits revoked;
  (D) The number of official inspection stations voluntarily withdrawing from the program;
  (E) The number of official inspection stations active in the jurisdiction;
  (F) The number of moped inspector applications processed;
  (G) The number of moped inspector certificates suspended;
  (H) The number of moped inspector certificates revoked;
  (I) The number of certified moped inspectors voluntarily withdrawing from the program;
  (J) The number of certified moped inspectors active in the jurisdiction;
  (K) The number of moped inspector certificates renewed;
  (L) The number of official moped inspection stations monitored; and
  (M) A brief narrative describing any problems, innovations, and recommendations.

[Eff SEP. 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-18 Enforcement by the county agency. (a) The county agency shall suspend or revoke inspection station permits or moped safety inspector certificates when it finds that the inspection station or inspector, as the case may be, is not properly conducting inspections. Each county agency shall adopt rules pursuant to chapter 91, HRS, to govern suspensions and revocations.

(b) A list of the names of inspection stations for which permits have been suspended or revoked shall be posted at the county agency's office. The station name shall remain posted for the period of suspension or for a minimum of thirty days from the beginning of initial revocation. [Eff SEP. 15 1988] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-19 Operating procedures for inspectors. (a) Certified moped inspectors shall conduct all official moped safety inspections in accordance with this chapter, chapter 19-131, The Handbook, and the following requirements:

(1) No person shall act as a certified moped inspector or issue any official moped safety inspection certificate and sticker unless that person possesses a current, valid, moped inspector's certificate to conduct moped inspections at the inspection station location indicated on the certificate issued by the county agency having jurisdiction over the inspection station;

(2) Certified moped inspectors shall be the only person authorized to issue and affix safety stickers to a moped after successful completion of the periodic official moped inspection;

(3) Every certified moped inspector shall conduct moped inspections in accordance with the criteria prescribed in The Handbook;

(4) A certified moped inspector may be assisted by a noncertified person when conducting an official moped safety inspection, provided that the noncertified person is under the immediate and personal supervision of the certified moped inspector; and

(5) Any certified moped inspector, working at a public inspection station, shall not require unnecessary repairs, make excessive charges, or act abusively to customers seeking safety inspection certification for their mopeds.

[Eff SEP. 15 1988] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-20 Supervision of inspectors. The county agency shall exercise control over all certified moped inspectors under its jurisdiction. This supervisory function shall include, but is not limited to, the following activities:

(1) Examining and qualifying all certified moped inspectors;
(2) Issuing of additional forms as may be required;
(3) Monitoring official moped inspection activities of certified moped inspectors; and
(4) Conducting investigations of reported or suspected improper moped safety inspection activities. [Eff SEP. 15 1988] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

SUBCHAPTER 3 GENERAL PROCEDURE FOR INSPECTION

§19-135-21 Application for inspection certification. (a) Any moped owner or operator shall be allowed to make an appointment with any public moped inspection station for inspection of a moped. The appointment shall be scheduled within fifteen days after the date of application for inspection.

(b) Any moped owner or operator shall not be obliged to have any repair work performed at the station where the inspection is made. [Eff SEP. 15 1988] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-22 Causes for refusal to inspect. An inspection station may refuse to inspect any moped whenever the performance of any visually inspectable component cannot readily be determined because of an accumulation of dirt, grease, or other foreign material. [Eff SEP. 15 1988] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-23 Inspection fees. (a) The county council of each county shall determine the fee to be paid to the inspection station by the moped owner for the safety inspection of a moped. This fee shall include the safety sticker fee paid to the county agency by the inspection station operator.

(b) When an application for certification of moped safety inspection is made at an inspection station, a

certified moped safety inspector may first collect the inspection fee, and then conduct the inspection pursuant to this chapter, chapter 19-131, The Handbook, and using a blank certificate of inspection as the checklist.

(c) A certified moped inspector may require an additional fee for the reinspection of corrected defects when the moped is presented for certification more than ten days after failure of the applicant's moped to qualify on the initial inspection.

(d) If more than thirty days have elapsed since the applicant's moped failed to qualify for certification, a complete reinspection shall be made of the entire moped for which the certified moped inspector may require the payment of an additional fee.

(e) An inspection station may charge the safety inspection fee determined by the county council for the replacement of destroyed or stolen safety inspection stickers. [Eff SEP. 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-24 Failure to qualify for certification and correction of defects. (a) When a moped fails to pass an inspection for certification in accordance with this chapter, chapter 19-131, and The Handbook, the certificate of inspection shall not be signed and the authorized sticker shall not be affixed to the moped.

(b) A copy of the incomplete certificate of inspection, shall be given to the applicant after the inspection, so that corrective repairs may be done on the moped. When, upon reinspection, the moped is found to be in safe operating condition, the certificate of inspection shall be completed and a sticker affixed to the moped in accordance with this chapter.

(c) If the applicant refuses to have the corrective repairs done immediately, no certificate of inspection shall be signed by the safety inspector, but a copy of the incomplete certificate of inspection shall be given to the applicant. The applicant shall have ten days to correct all the deficiencies and return to the station for reinspection.

(d) If, after corrective repair within the ten-day period, the moped is found to qualify for certification, all copies of the certificate of inspection shall be completed and signed by the safety inspector with the designated copies issued to the applicant and a sticker affixed to the moped in accordance with this chapter. No additional fee shall be charged.

(e) This section does not authorize anyone to operate a moped on the public highways without a valid certificate of inspection or with an expired certificate.

(f) If no certificate of inspection is issued, a notation to that effect shall be made on a copy of the incomplete certificate. All copies of the incomplete certificates held by the inspection station, except the station copy, shall be forwarded to the county agency. [Eff SEP 15 1988] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-25 Issuance of certificates of inspection and affixing of inspection stickers. (a) When the moped's equipment is inspected pursuant to this chapter, chapter 19-131, and The Handbook, and is found to qualify for certification, the certificate of inspection shall be signed by the certified moped inspector who performed the inspection.

(b) After the certificate of inspection is signed, a two-part safety inspection sticker authorized by the director shall be affixed by the safety inspector upon the rearmost nearly vertical portion of the moped or on another appropriate place where, in the opinion of the county agency, the sticker can be clearly viewed by a person who is fifty feet behind the moped.

(c) All expired or replaced safety inspection stickers appearing on the moped shall be removed and destroyed. [Eff SEP 15 1988] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-26 Replacement of lost or stolen stickers. (a) Safety inspection stickers which have been lost or stolen may be replaced without reinspection if the moped owner or operator can furnish proof of inspection and approval, and the loss is reported before the current certification expires.

(b) Reinspection shall be required if there is no evidence of a previous safety inspection or the safety inspection certificate has expired.

(c) The certified moped inspector shall record safety inspection sticker replacements on the original inspection station copy of the certificate of inspection and report the additional information to the county agency. [Eff SEP 15 1988] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-27 Items to be inspected. Evidence of the moped's registration and the following original equipment items meeting requirements on the date of manufacture of the moped, plus all additional items subsequently required or permitted to be installed, shall be inspected on all mopeds presented for inspection.

(1) Tires;
(2) Wheels;
(3) Brakes;
(4) Steering, suspension, and alignment;
(5) Lighting and electrical systems;
(6) Moped glazing (optional equipment);
(7) Body and frame;
(8) Exhaust system;
(9) Fuel intake system; and
(10) Speedometer-odometer. [Eff SEP. 1 5 1986]
(Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-28 Scope of inspection. The inspection shall be conducted as follows:

(1) The moped license number and identification number shall be inspected for agreement with the corresponding numbers shown on the current year's valid registration certificate. License plates or registration decals shall be inspected for condition, legibility, proper location, and security of mounting;
(2) Tires shall be inspected for wear, damage, proper size, type, and tread configuration;
(3) Wheels shall be inspected for damage, missing parts, excessive runout, loose wheel bearings, and security of mounting;
(4) Service brake system and parking brake system, when applicable, shall be inspected for performance, wear and condition of friction components and mechanical linkages, leakage of hoses, tubing, pistons, reservoirs, and proper operation of the entire brake system;
(5) The steering system shall be inspected for free movement throughout the entire travel range of the steering control, loose steering bearings, damage, wear and installation of non-slip design hand grips on handlebar;
(6) The suspension system shall be inspected for proper mounting, free movement, looseness, damage, and condition of all suspension components;

(7) The wheel track alignment shall be inspected for accurate alignment between front and rear wheel;
(8) Lamps and reflectors shall be inspected for function, location, color, brightness, and damage. Headlamps shall be tested for aim and operation and operation of high beam indicator if so equipped;
(9) Horns shall be inspected for operation and audibility;
(10) Lighting switches shall be inspected for proper operation;
(11) Visible electrical wiring shall be inspected for condition, location, security of fastening and insulation;
(12) Plastic or other material used in windscreen (optional equipment) shall be inspected for type, damage, discoloration, and obstruction of operator's vision;
(13) Body items and frame shall be inspected as follows:
    (A) Rearview mirrors shall be inspected for location, field of view, condition, mounting, ease of adjustment, and sharp edges;
    (B) Retracting stand shall be inspected for mounting, operation, and rearward and upward retraction if it contacts the road surface when the moped is moving in the forward direction;
    (C) Drive chain, belt, or shaft protective coverings shall be inspected for condition, mounting, looseness, size, and any hazardous protrusions;
    (D) Body parts shall be inspected for looseness, damage, improperly assembled parts, non-approved modifications, or replacement parts;
    (E) Fenders shall be inspected for condition, loose mounting, size, hazardous protrusions, sharp edges, and non-approved modifications;
    (F) Seats shall be inspected for size, loose mounting, and any sharp edges or hazardous protrusions;
    (G) Footpegs or pedals shall be inspected for proper mounting and operational condition;
(14) On combustion engines, the exhaust system components shall be inspected for proper

condition, damage, mounting, leakage of gases, excessive noise, and missing required components;

(15) On combustion engines only, all intake and fuel system units, including filler tubes, filler caps, filters, vents, and tanks, and all connecting lines, tubing, and hoses shall be inspected for proper location and connection, security, proper installation, leakage, and damage; and

(16) The speedometer-odometer (optional equipment) shall be inspected for proper operation while performing a road test. Indicated moped mileage shall be recorded at the time of inspection. [Eff SEP. 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-29 Standards and criteria. The standards used for moped safety inspection are as follows:

(1) 49 CFR Parts 566, 567, and 573 to 577 as they existed on April 1, 1985;

(2) Federal Motor Vehicle Safety Standard (FMVSS) Numbers 106, 108, 111, 119, 122, 123 and 205 (motorcycle windscreen only) as they existed on April 1, 1985;

(3) Chapter 19-131, entitled "Required Equipment on Mopeds" as they existed on April 1, 1985; and

(4) Periodic Moped Inspection Handbook, dated September 18, 1984, located at the end of this chapter. [Eff SEP. 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

§19-135-30 Severability. If any portion of this chapter is held invalid for any reason, the invalidity shall not affect the validity of the remainder of this chapter. [Eff SEP. 15 1986] (Auth: HRS §291C-202) (Imp: HRS §291C-202)

DEPARTMENT OF TRANSPORTATION

Chapter 19-135, Hawaii Administrative Rules, on the Summary Page dated August 20, 1986, was adopted on August 20, 1986, following a public hearing held on October 10, 1985, after public notice was given in the Honolulu Advertiser on September 13, 1985, and in the Hawaii Tribune-Herald, Garden Island News, and Maui News on September 16, 1985.

The adoption of chapter 19-135 shall take effect ten days after filing with the Office of the Lieutenant Governor.

WAYNE J. YAMASAKI
Director of Transportation

APPROVED AS TO FORM:

Deputy Attorney General

APPROVED:

GEORGE R. ARIYOSHI
Governor
State of Hawaii

Dated: Sept 3, 1986

Filed

RECD. BY

RECD SEP 4 PM 1 43

LT. GOVERNOR'S OFFICE

PERIODIC MOPED INSPECTION HANDBOOK

DEPARTMENT OF TRANSPORTATION
State of Hawaii

EXHIBIT

DATE: September 18, 1984

MOPED

INSPECTION HANDBOOK

C O N T E N T S

DEFINITIONS

General Definitions-Moped

1. MOPED

A device upon which a person may ride which has two or three wheels in contact with the ground, a motor having a maximum power output capability measured at the motor output shaft, in accordance with the Society of Automotive Engineers standards, of one and one-half horsepower (one thousand one hundred nineteen watts) or less and, if it is a combustion engine, a maximum piston or rotor displacement of 3.05 cubic inches (fifty cubic centimeters) and which will propel the device unassisted, on a level surface at a maximum speed no greater than thirty-five miles per hour; and a direct or automatic power drive system which requires no clutch or gear shift operation by the driver after the drive system is engaged with the power unit.

2. LONGITUDINAL PLANE OF SYMMETRY

a. Two-wheeled moped: A vertical plane that passes through the centerline of the front and rear wheels.

b. Three-wheeled moped: A vertical plane that passes through the centerline of a single wheel and through the midpoint of two wheels sharing the same axis of rotation.

3. CURB WEIGHT

The weight of a moped with standard equipment, maximum capacity of engine oil, and fuel, but without the driver and cargo.

REGISTRATION

General Instructions

1. The first step in the inspection of a moped should be a review of the registration certificate, registration decal and the vehicle identification numbers (VIN).
   NOTE: The VIN is the same as the serial numbers. Mopeds which were manufactured after September 1, 1980, must have a VIN that consists of 17 alpha-numerical characters.

PROCEDURE	REJECT MOPED IF:
A. Verification of documents Inspect registration certificate, registration decal, moped description and VIN. Determine if there is proper agreement among them.	A. Verification of documents 1. The current registration certificate is not available. 2. The moped description or VIN is not in agreement with the registration certificate. 3. The numbers on the registration decal are not in agreement with the numbers on the registration certificate.
B. Registration decal mounting and condition Inspect the registration decal to see that it is affixed to the lower portion of the rear fender facing rearward, is clean, legible and clearly visible.	B. Registration decal mounting and condition 1. Any registration decal is missing. 2. Registration decal is improperly located. 3. Registration decal numbers are not legible.

TIRES

Definitions

1. RIM	The metal support for a tire or a tube assembly upon which the tire beads are seated.
2. BEAD	That part of a tire made of steel wires, wrapped or reinforced by ply cords and shaped to fit the inner edge of the rim.
3. SIDEWALL	That portion of a tire between the tread and the bead.
4. CORD	The strands forming the plies in the tire.
5. PLY	A layer of rubber-coated parallel cords.
6. TREAD	That portion of a tire that comes into contact with the road.
7. TREAD RIB	A tread section running circumferentially around a tire.
8. GROOVE	The space between two adjacent tread ribs.
9. D O T SYMBOL	The "DOT" symbol stands for the U.S. Department of Transportation. A requirement of the Federal Motor Vehicle Safety Standards.

Tools and Equipment

1. Tread depth measuring gauge.

PROCEDURE	REJECT MOPED IF:
A. Inspection of tire 1. Tires without tread wear indicators. (Tread measurement shall not be made where tie bars, bumps or fillets are located.)	A. Inspection of tire 1. Tire is worn so that less than 1/32 inch tread remains in any groove at three locations equally spaced around the circumference of the tire, at least one of which shall be at the point where the tread is thinnest.
2. Tires with tread wear indicators.	2. Tire is worn so that tread wear indicators show a tread depth of 1/32 inch or less remains in any groove at three locations equally spaced around the circumference of the tire.
B. Inspect for cord exposure.	B. Any part of the cord or ply is exposed.
C. Inspect for tread cuts, snags, or outside wall cracks.	C. Any tread or sidewall cracks, cuts, or snags deep enough to expose any of the body cords.
D. Check sidewall labeling or markings.	D. Tire labeling or markings indicating "Not for highway use," "For racing purposes only," "Unsafe for highway use," or no "DOT" symbol molded into the sidewall.
E. Inspect for bumps, bulges or knots.	E. Tire has visible bumps, bulges, or knots indicating partial failure or separation of the tire structure.
F. Inspect for regrooved or recut tires.	F. Any tire has been regrooved or recut.

WHEELS

Definitions

1. SPOKES. The rods or braces that connect the hub and the rim of a wheel.

PROCEDURE	REJECT MOPED IF:
A. Inspect wheel bolts, nuts, studs and lugs.	A. Any wheel bolts, nuts, studs, or lugs are loose missing or damaged.
B. Inspect for wheel damage.	B. Any part of the wheel is bent, cracked, rewelded, damaged or spokes that are missing or loose so as to affect safe operation of the moped.
C. Inspect for trueness.	C. Measured at edge of rim, Wheel has eccentricity or wobble in excess of 3/16 inch (5mm.).

Definitions

1. BRAKING DISTANCE — The distance travelled by a moped from the point of application of the force to the brake control to the point at which the moped reaches a full stop.

2. BRAKE SYSTEM — A combination of one or more brakes and their related means of operation and control.

3. BRAKE SERVICE SYSTEM — A brake system used for retarding, stopping and controlling the moped braking under normal operating conditions. Brake service system shall incorporate braking capability on all wheels except originally so equipped.

4. BRAKE CONTROL RESERVE — The amount of brake control left in reserve when the brake control is actuated to the brake fully applied position. NOTE: The purpose of the brake control reserve check is to ascertain the degree of the brake adjustment and to demonstrate satisfactory brake actuation system condition.

5. SPLIT SERVICE BRAKE SYSTEM — A brake system consisting of two or more sub-systems actuated by a single control, designed so that a leakage-type failure of a pressure component in a single sub-system (except structural failure of a housing that is common to all sub-systems) shall not impair the operation of the other sub-system(s).

6. HYDRAULIC BRAKE SYSTEM — A brake system in which the brakes are applied hydraulically. This may incorporate mechanical sub-systems.

7. MECHANICAL BRAKE SYSTEM — A brake system in which the brakes are applied by mechanical means through the use of cables and linkage only.

8. BRAKE DRUM — The cylindrical rotational member of a drum brake assembly acted upon by the friction material.

9. BRAKE DISC OR ROTOR — The parallel-faced circular rotational member of a disc brake assembly acted upon by a frictional material.

10. PARKING BRAKE — A friction type brake with a solely mechanical means to retain engagement. Required only on three-wheeled mopeds.

Notes for Inspectors

1. If equipped with speedometer and odometer, conduct functional test during the brake performance test. (Speedometer is optional)

Tools and Equipment

1. Measuring device, steel gauge or scale.

PROCEDURE	REJECT MOPED IF:
A. Mechanical Brake system Initiate inspection of linkage, cables, pivots, and bearings for high friction, wear and broken parts.	A. Mechanical Brake System 1. There is an angle greater than 110° between the cam operating lever and the actuating cable or rod in the fully applied position. 2. It is determined the cam operating lever has been repositioned on the shaft as a means of avoiding replacement of worn cam, worn shoes or worn lining. 3. Any cables are frayed. (One broken strand). 4. Brake adjusters do not have means to be locked. 5. Front brake cable routed to be pinched between fork and frame.

PROCEDURE	REJECT MOPED IF:
	6. Levers are not free to return. 7. The hand levers do not have at least one third of their travel as reserve after the brakes are normally applied. 8. Brake adjustment changes with fork extended (loaded). 9. Braking capability has been removed from any wheel originally so equipped.
B. Condition of Mechanical Components 1. Inspect for worn pins and missing or defective cotter pins. 2. Inspect for broken or missing springs and worn cables, clevises, couplings, rods, and anchor pins. 3. Inspect for frozen, rusted or inoperative connections, missing spring clips and defective grease retainers. 4. Inspect hand levers for travel restrictions, wear at pivot points and misalignment. 5. Inspect for restriction of shoe movement at backing plate for bind between brake shoe and anchor pins.	B. Condition of Mechanical Components 1. Mechanical parts are missing, broken or badly worn. 2. There is travel restriction of hand levers and linkages or in brake components. 3. Hand levers are improperly positioned or misaligned. 4. Unusual or excessive wear at any mechanical pivot points in the brake system components. 5. Brake shoes are restricted from full travel.

PROCEDURE	REJECT MOPED IF:
6. Inspect actuating cam for excessive wear, camshaft for looseness and determine that springs are of sufficient strength to return and hold shoes against cam.	
C. Hydraulic System Visually inspect condition of hydraulic system.	C. Hydraulic System
1. Inspect hydraulic system for leaks, cracks, chaffing, flattened or restricted sections and improper support.	1. a) Hoses or tubings leaks or they are cracked, chafed, flattened, restricted or are insecurely fastened. b) Braking capability has been removed from any wheel originally so equipped.
2. Inspect master cylinder for leakage and fluid level.	2. Master cylinder leaks, or the fluid level is less than the minimum level as specified by the manufacturer. (Advise driver if fluid level in master cylinder is below the normal level specified by the manufacturer, brake system should be checked for leakage.)
3. Inspect master cylinder push rod for improper adjustment.	3. Push rod adjustment fails to meet the recommended tolerances of the manufacturer.
4. Inspect wheel cylinders or hydraulic brake actuating systems.	4. a) Any leakage is noted in the braking system. b) Wheel cylinder leaks.
D. Condition of Linings and Pads	D. Condition of Linings and Pads
1. Bonded Linings Measure the lining thickness at the thinnest point.	1. Bonded Linings The thinnest point is less than 1/32 inch.

PROCEDURE	REJECT MOPED IF:
2. Riveted Linings a) Inspect for loose or missing rivets. b) Measure lining thickness above rivet head at thinnest point. c) Inspect for cracks or breaks.	2. Riveted Linings a) Any rivets are loose or missing. b) Lining is less than 1/32 inch over any rivet head. c) There are cracks or breaks that extend to rivet holes. (Except for minor cracks that do not impair brake operation.)
3. All Linings Inspect for broken or cracked linings and parts of linings not firmly attached to shoe. Also, inspect for contamination.	3. All Linings a) Lining is cracked, broken, or not firmly and completely attached to shoe. b) Friction surface is soaked with oil, grease or brake fluid.
4. Pads (Disc Brakes) Inspect thickness of friction pad.	4. Pads (Disc Brakes) a) Pad is less than 1/32 inch over any rivet head. b) The thinnest point of a bonded friction pad is less than 1/32 inch.
E. Brake Drums a) Inspect the condition of the drum friction surface for substantial cracks extending to the open edge of the drum.	E. Brake Drums a) There are substantial cracks on the friction surface extending to the open edge.
b) Inspect for cracks on the outside of the drum.	b) There are external cracks.
c) Inspect for damage and extreme wear. Measure as required.	c) Brake drum is scored, deeply grooved, distorted, out of round, bellmouthed, or worn beyond manufacturer's recommended limit or diameter stamped on drum.
d) Inspect for contaminated friction surface.	d) Friction surface is contaminated with oil, grease or brake fluid.

PROCEDURE	REJECT MOPED IF:
F. Brake Rotor Disc a) Inspect for substantial cracks extending to edge of rotor disc. b) Inspect for damage and extreme wear. Measure as required. c) Inspect for contamination on friction surface. G. Brake Performance a) At a speed of 20 miles per hour, on a surface which is dry and level and free from loose materials, the brakes are required to stop the moped within 24 feet.	F. Brake Rotor Disc a) There are substantial cracks extending to the edge. b) Rotor disc is scored, deeply grooved, or worn beyond the manufacturer's allowable minimum or thickness stamped on the disc. c) Friction surface is contaminated with oil, grease or brake fluid. G. Brake Performance a) The moped fails to stop within 24 feet. b) The brakes does not indicate adequate braking performance.

STEERING ALIGNMENT AND SUSPENSION

Definitions

1. FRONT FORK	The front suspension assembly including the shock absorber and steering mechanism.
2. HANDLEBARS	The attachments to the front fork or steering shaft, used to control steering.
3. HANDLEBAR CONTROLS, LEVERS, CABLES	A throttle control (twist grip) is located on the right handlebar. A front brake lever (hand pull) is located on the right handlebar. Control cables normally attach the throttle control to the carburetor, and the handlebar levers to mechanical front brakes. Fluid tubes are used in the case of hydraulic front brake in lieu of cable attachment. Rear brake controls shall be located on the left handlebar.
4. HANDLEBAR MOUNTS	The method of attaching the handlebars to the forks or steering shaft, clamping to fork legs or to the top fork lug by use of "U" bolts, clamps or rubber mounted brackets.
5. JAMMING	An obstruction or stop to the movement of the handlebars up to designed steering stops.
6. LOADED	The condition where the front wheel of the moped is on the surface, bearing its full portion of the weight of the moped.
7. PLAY	Any free steering movement of the handlebars without equivalent steering movement of the front wheel.
8. RAKE ANGLE (CASTER ANGLE)	The acute angle in the longitudinal plane of symmertry between the steering head or kingpin axis and the vertical. (Not to be confused with front fork angle.)
9. SHOCK ABSORBERS	Energy dissipating devices which provide damping of spring or unsprung mass and relative motion; increase moped stability; and improve steering, handling and ride performance.
10. STEERING HEAD	The top front frame head, through which the fork stem is fitted in bearings or bushes to provide the front wheel steering axis.

11. STEERING STOPS — An obstruction or stop, limiting the rotation of the front forks in either direction.

12. TRAIL — The horizontal distance between a vertical line through the front wheel axle centerline and the projection of the steering head axis measured at the tire-to-ground contact surface with the moped "loaded" on a level plane.

13. WHEEL PLANE — The central plane of the tire-wheel system, perpendicular to the axis or rotation.

Tools and Equipment

1. Moped repair stand.

PROCEDURE	REJECT MOPED IF:
A. Steering Head Bearing Adjustment 1. Place the moped on a repair stand with front wheel raised clear of weight-bearing contact. Grasp both the left and right fork legs at axle location and apply alternating fore and aft force. 2. Turn handlebars slowly from side to side and visually inspect bearings. 3. Remove moped from repair stand and repeat Step 2.	A. Steering Head Bearing Adjustment 1. Noticeable play or roughness when fore and aft force is applied. 2. Noticeable play or roughness in rotation as well as pitted bearings; also, If front fork falls to one side or the other after it has been turned at least 5 degrees off the straight ahead position. 3. Noticeable play or roughness is found within the steering head bearings. Note: Drag from steering damper, if fitted, or drag from cables is not cause for rejection.

PROCEDURE	REJECT MOPED IF:
B. Wheel Bearings 1. While moped is on repair stand, grasp tire at top and bottom, and shake in and out or back and forth. 2. Rotate wheel.	B. Wheel Bearings There is noticeable play, vibrations or wheel bearing noise; Or wheel play exceeds the manufacturer's recommended tolerances when measured at the bead seat diameter.
C. Handlebars 1. Inspect visually all of the exposed areas of the handlebars. 2. Rotate the handlebars attached to forks from steering stop to steering stop. 3. Measure the height of the handlebars. 4. Measure the width of the handlebars, and visually inspect hand grips. 5. Consult manufacturer's specifications for handlebar thickness of moped make and model.	C. Handlebars 1. Cracks, deformation, improper alignment, or excessive flexure other than flexure from rubber mounts. 2. Handlebars cause an obstruction that prevents rotation of fork from steering stop to stop. 3. The lowest part of the handlebars is 15 inches (38cm.) above that portion of the moped seat occupied by the rider. 4. a) Handlebars are less than 18 inches (46cm.) measured end to end, as mounted on the moped. b) Handlebars are not properly equipped with the manufacturer's recommended hand grips. 5. Handlebar is not constructed of at least .060 inches (1.5mm.) thick steel tubing.

PROCEDURE	REJECT MOPED IF:
D. Handlebar Controls	D. Handlebar Controls
1. Inspect throttle twist grip.	1. Throttle twist grip does not rotate freely from stop to stop.
2. Inspect brake lever and cables.	2. a) Control levers are loose on the handlebars, or control levers do not operate freely. b) Outer cable housing is damaged and/or inner cables with loose ends, severe bends, kinks, or broken strands.
E. Shock Absorbers	E. Shock Absorbers
1. Visually inspect the shock absorbers, if so equipped.	1. Broken or cracked springs or mounts.
2. Press down on moped over the shock absorber with full body weight.	2. Shock absorbers have no dampening effect.
F. Alignment	F. Alignment
1. Visually examine front wheel to front fork tubes alignment.	1. Front wheel plane is not parallel to front fork tubes, and/or front tubes are bent or damaged enough to prevent full free action of front fork.
2. Inspect wheel track alignment (tracking of rear wheel in relation to front wheel.)	2. Rear wheel does not track perfectly over front wheel track.
G. Rake (Caster Angle)	G. Rake (Caster Angle)
1. Check manufacturer's recommended specifications.	1. Modifications or deviations are beyond the manufacturer's recommended specifications.
2. Visually examine frame at steering head.	2. Cracked frame adjacent to welded area, defective weld or structural integrity.
NOTE: If cracks are suspected during visual inspection, a further test for cracks may be required using advanced technology.	NOTE: Further test for suspected cracks shall be at owner's cost.

LIGHTING AND ELECTRICAL SYSTEM

Definitions

1. HEADLAMP SYSTEM	A major lighting device and related equipment used to provide general illumination ahead of the moped.
2. MOTOR-DRIVEN CYCLE SEALED BEAM HEADLAMP	Consists of a housing which has a separable bulb, lens, and reflector, and provides an upper beam filament or an upper and lower beam filament.
3. MOTOR-DRIVEN CYCLE SEALED BEAM HEADLAMP	A sealed beam optical unit that provides a single beam filament or an upper and lower beam filament, or a sealed-in bulb.
4. MULTIPLE BEAM HEADLAMP	Incorporates and upper and low beam.
5. SINGLE BEAM HEADLAMP	Incorporates upper beam only.
6. HEADLAMP UPPER BEAM	A distribution of white light intended primarily for distant illumination and for use on the open highway when not meeting other vehicles.
7. HEADLAMP LOWER BEAM	A distribution of white light so directed as to avoid glare in the eyes of oncoming drivers while providing illumination ahead of the moped, and intended for use in congested areas and on highways when meeting other vehicles within a distance of 500 feet (152 meters).
8. TAILLAMPS	Lamps providing red colored illumination to designate the rear of a moped.
9. STOPLAMPS	Lamps giving a steady red warning light to the rear of a moped, to indicate that the moped brakes are being applied. Stop lamps are activated automatically upon application of the rear brake.
10. LICENSE PLATE LAMPS	A lamp providing white illumination for the license plate on the rear of a moped.

11. TURN SIGNAL LAMPS — Lamps that provide a flashing warning light to indicate the intended direction of a turn, to others in the front or rear of the moped. Yellow toward front of moped and red or yellow toward rear.

12. REFLECTIVE DEVICES — Devices used on moped to give an indication to an approaching driver by reflected light from the headlights of approaching vehicles. Those at or near the rear of the moped are red in color, all others are yellow in color.

13. INDICATOR LAMPS — Lamps visible to the operator of a moped that indicate:

(a) Appropriate electrical circuits are in operation.

(b) Malfunction of moped performance.

(c) Requirement for remedial action of the operator.

14. OPERATING UNITS OR SWITCHES — Devices by which the function of lamps are controlled.

General Instructions

1. Visual Check of Lamp Function; includes all original mandatory equipment, exterior lighting, plus whatever lights have been added. If the moped is equipped with a lamp, it should work properly.

2. On mopeds without batteries the engine should be run at high idle speed to perform lighting tests.

3. All lamps and reflectors should be of the type approved for use by the Director of Transportation.

4. If only one inspector is checking, large mirrors may be placed so that all lamps may be observed from driver's position.

PROCEDURE	REJECT MOPED IF:
A. Visual Check of Lamp Function 1. Switch on the night lights and visually check the following: (Steps a and b should be conducted with ignition switch on.) a. Actuate turn signal switch to right and left and observe function of turn signal lights. (If moped is so equipped) b. Actuate the headlamp upper beam and observe the indicator lamp. (If moped is so equipped) c. Observe function of: stop lamp, tail lamp and reflex reflectors. NOTE: Refer to Appendix A, for Lighting Equipment, Color, Location and Height.	A. Visual Check of Lamp Function 1. Any bulb or sealed beam unit fails to light. 2. Turn signals do not properly indicate right and left when switched on. 3. Lamp or reflector shows color contrary to law. 4. Any lamp fails to light the proper filament indicated at switch position. 5. Any lamp or reflector does not direct light properly. 6. Auxiliary equipment is placed on, in, or in front of any lamp or interferes with necessary visibility width. 7. Lamp assembly improperly secured. 8. Headlamp output is insufficient to illuminate 200 feet (60.9m.) ahead of the moped. 9. Headlamp beam indicator lamp fails to function properly. (If moped is so equipped.)
B. Headlamp Testing Preparation 1. Rock moped to free and equalize suspension and check visually for equal tire inflation. 2. Aim with driver seated on moped. 3. Clean lenses.	B. Headlamp Testing Preparation Moped headlamp does not comply with mounting requirements. (Refer to Appendix A)

PROCEDURE	REJECT MOPED IF:
4. Check for approved type headlamp. One headlamp is required.	Headlamp is not an approved type for use on mopeds.
5. Determine if lamp is mounted properly; the minimum height being not less than 24 inches (61cm.), nor more than 54 inches (137cm.) above the road surface upon which the moped rests.	
C. Headlamp Aim Adjustment	C. Headlamp Aim Adjustment
1. Beams shall be inspected for specific aim by using a headlamp testing device approved by the Director of Transportation.	1. Light output is not sufficient to illuminate 200 feet (60.9m.) ahead of the moped. Beam indicator is not operating. (If moped is so equipped.)
2. Adjust lamp until hot spot of beam is dropped horizontally 6 inches at 25 feet (8m,).	2. Proper adjustment cannot be made or maintained.
D. Additional Required Lighting Equipment	D. Additional Required Lighting Equipment
Inspect for operation, mounting, location, color, visibility, safe condition, wiring and switching of the following approved, required lighting equipment:	1. Any lamp or reflector fails to function, is improperly mounted, or fails to comply with the requirements in Appendix A.
1. Tail Lamp	2. Taillamp is not visible in normal atmospheric conditions at night from 200 feet (60.9m.) to the rear.
2. Stop Lamp	3. Stoplamp is not clearly visible under all conditions of lighting, including bright sunlight and when the taillamp is illuminated.
3. License Plate Lamp (if so equipped)	4. Stoplamp is not visible from 200 feet (60.9m.) to the rear, or cannot be activated by application of the brake.
4. Rear Reflector(s)	
5. Side Reflectors	

PROCEDURE	REJECT MOPED IF:
	5. License plate lamp (if so equipped) is not capable of illuminating the license plate, under normal atmospheric conditions at night, to be visible from a distance of 50 feet (15m.) to the rear, or does not activate by the same circuit which activates the headlamp. NOTE: No white colored light should be visible to the rear of the moped at any time when lighted lamps are required.

APPENDIX A

REQUIRED MOTOR-DRIVEN CYCLE LIGHTING EQUIPMENT, COLOR, LOCATION AND HEIGHT

ITEM/COLOR	LOCATION ON MOPED	HEIGHT ABOVE SURFACE OF ROAD UPON WHICH MOPED RESTS MEASURED FROM CENTER OF ITEM ON MOPED AT CURB WEIGHT
Headlamps/ 1 White	On the front and on the vertical centerline, they shall be symmetrically disposed about the vertical centerline.	Not less than 24 inches (61 cm.), nor more than 54 inches (137 cm.).
Taillamps/ 1 Red	On the rear and on the vertical centerline except that if two are used, they shall be symmetrically disposed about the vertical centerline.	Not less than 15 inches (38 cm.), nor more than 72 inches (183 cm.).
Stoplamp/ 1 Red	On the rear and on the vertical centerline except that if two are used, they shall be symmetrically disposed about the vertical centerline.	Not less than 15 inches (38 cm.), nor more than 72 inches (183 cm.).
License Plate Lamp/ 1 White	At rear license plate.	No requirement.
Reflex Reflectors/ 3 Red, 2 Amber	On the rear - 1 red on the vertical centerline except that, if two are used on the rear, they shall be symmetrically disposed about the vertical centerline. On each side - 1 red as far to the rear as practicable, and 1 amber as far to the front as practicable.	Not less than 15 inches (38 cm.), nor more than 60 inches (152 cm.).
Turn Signal Lamps/ 2 Class B amber; 2 Class B red or amber.	At or near the front - 1 amber on each side of the vertical centerline at the same height, and having a minimum horizontal separation distance (centerline of lamps) of 16 inches (40 cm.). Minimum edge to edge separation distance between lamp and headlamp is 4 inches (10 cm.). At or near the rear - 1	Not less than 15 inches (38 cm.), nor more than 83 inches (211 cm.).

APPENDIX A (continue)

REQUIRED MOTOR-DRIVEN CYCLE LIGHTING EQUIPMENT, COLOR, LOCATION AND HEIGHT

ITEM/COLOR	LOCATION ON MOPED	HEIGHT ABOVE SURFACE OF ROAD UPON WHICH MOPED RESTS MEASURED FROM CENTER OF ITEM ON MOPED AT CURB WEIGHT
	red or amber on each side of the vertical centerline at the same height and having a minimum horizontal separation distance (centerline to centerline of lamps) of 9 inches (23 cm.). Minimum edge to edge separation distance between lamp and tail or stop lamps is 4 inches (10 cm.).	
NOTE: TURN SIGNAL LIGHTS ARE NOT REQUIRED FOR MOTOR-DRIVEN CYCLES WHICH CANNOT ATTAIN A SPEED OVER 30 MPH. EACH TURN SIGNAL LAMP, WHEN REQUIRED, MUST HAVE AN EFFECTIVE LUMINOUS PROJECTED AREA OF AT LEAST 3 1/2 square inches (9 cm^2).		

GLAZING MATERIAL

(WINDSHIELD OR WINDSCREENS)

PROCEDURE	REJECT MOPED IF:
A. Glazing Material Windshield or windscreen are not required on mopeds, but if installed inspect for cracks, discoloration or scratches that create a serious vision obstruction. They must be mounted so the driver's vision is not obstructed when seated in the driver's normal seating position. They must also be of an approved type in compliance with Federal Motor Vehicle Safety Standard No. 205, entitled Glazing Materials, as amended.	A. Glazing Material 1. Windshield or windscreen obstructs the driver's vision when seated in the driver's normal seating position. 2. Any support or stiffener device is mounted in the driver's line of vision. 3. Glazing is not of the approved type. 4. Cracks, discoloration or scratches that create an obstruction.

BODY, FRAME AND ACCESSORY ITEMS

Definitions

1. SPROCKET AND CHAIN	A means by which motive power is transferred from the transmission to the rear wheel (except on models fitted with a shaft or pully and belt drive).
2. CHAIN GUARD	A guard shield protecting the operator from the chain.
3. FENDERS OR MUDGUARD	A shield over the wheels to protect the rider from foreign objects being thrown by the centrifugal force of the tire.
4. STAND	A center stand or side stand designed to allow the moped to stand alone. (Not applicable on three wheel mopeds.)
5. FRAME	The basic structural component to which the other components are attached.
6. SWING ARM	When fitted, the swing arm axis is located at the lower rear portion of the frame. The swing arm extends rearward and is attached to the rear wheel spindle. Shock absorber(s) are generally fitted between the swing arm and the main frame.
7. RIGID REAR FRAME (HARDTAIL)	When fitted, the rigid rear section attaches to the rear portion of the frame, and extends rearward. The rear wheel spindle is attached to the rear frame. No shock absorbers are fitted; however, certain frames include a "spring" mounting.
8. ACCESSORY ITEMS	Such items include, but are not limited to: cargo baskets, backrests, sissy bars or safety bars.

Tools and Equipment

1. Moped repair stand.

PROCEDURE	REJECT MOPED IF:
A. Body Items Check for required body items, defective or dislocated parts, and parts projecting from the moped on: Seat, Engine and Engine Mounting, Side or Center Stand, Chain and Chain Guard, and Fenders.	A. Body Items 1. Seat a. Seat is improperly or insecurely attached. Seat locking device not functioning where applicable. 2. Engine and Mounting a. Engine is improperly or insecurely attached. b. Engine mounting frame or brackets cracked or broken. 3. Side or Center Stand a. Side or center stand when placed in the stored position will not remain in that position. b. The side or center stand is cracked or broken, or apparent structural weakness is present, which could result in collapse. c. Side or center stand is held in the stored position by the use of any of the following: locking wire; rubber band; or other method which would not insure that the stand would remain in the stored position.

PROCEDURE	REJECT MOPED IF:
	4. Chain Guard The chain guard, or other device, is missing (if originally equipped), broken, cracked, or is not the reasonable equivalent of the original device.
	5. Fenders a. Fenders are missing, improperly mounted, cracked, bent, or if sharp edges are exposed. b. Fenders do not meet with approval of county agency.
B. Frame	B. Frame
1. Examine the moped frame and swing arm or rigid rear frame in all areas which would not require the disassembly of any frame components.	1. a. Cracks, welds, fatigue points, work hardening flexure is discovered which would indicate that the moped frame has suffered structural damage and constitutes a hazard to the rider. b. Frame is damaged so as to cause misalignment of the wheels in either vertical or longitudinal planes.
2. Swing Arm Bushing, Bearing or Rubber Mount a. Examine the swing arm bushing, bearing or rubber mount for wear or abnormal looseness while moped is on a repair stand.	2. Swing Arm Bushing, Bearing or Rubber Mount a. Bearing or bushing found to have noticeable play or binding.

PROCEDURE	REJECT MOPED IF:
b. Check for lateral play at axis.	b. Any play in excess of .015 inches (4mm.).
C. Accessory Items	C. Accessory Items
Visually check components for secure mounting, cracks, breaks, or sharp points that present a hazard to the rider.	1. Accessory items interfere with, obstruct, or prevent proper use of any control, component or system required for operation of the moped. 2. Accessory items have sharp, jagged edges, pointed bars or rod ends.

EXHAUST SYSTEM

Definitions

1. EXHAUST SYSTEM — Includes all components and piping extending from the exhaust manifold to the point of exhaust discharge.

PROCEDURE	REJECT MOPED IF:
A. Examine the exhaust system visiually for leaks and cracks.	A. 1. There are loose or broken joints, or areas where corrosion or rust has eaten through the device. 2. Excessive leakage exists. 3. Excessively noisey.
B. Check exhaust system components to see that they are properly mounted and that the supporting brackets are securely in place on the moped.	B. Exhaust system is improperly mounted.
C. Inspect for unshielded protrusions or any portion of the exhaust system mounted higher than the lowest part of the rider's seat pan.	C. 1. Heat shielding not sufficient to protect rider when in the normal seating position from contact with hot surfaces during operation. 2. Any portion of an exhaust system protrudes in a manner which may burn the rider when in normal seating position. 3. Any portion of the exhaust system is mounted higher than the lowest portion of the rider's seat pan.

PROCEDURE	REJECT MOPED IF:
	4. Baffle removed from the muffler. 5. Replacement exhaust equipment is not the reasonable equivalent of the original exhaust system. 6. Muffler has been modified, a portion of the muffler has been cut off, or pipes directed to side above 2 feet (61cm.) from the roadway. 7. Any type of cutout or bypass of the standard muffler.

FUEL SYSTEM

Definitions

1. FUEL SYSTEM — Includes all components and piping extending from and including the fuel tank filler cap to the carburetor or injection nozzles.

PROCEDURE	REJECT MOPED IF:
A. Visually examine the fuel tank, fuel tank supporting brackets and hardware, fuel tubing, clamps, fuel tank cap, vent hoses, fuel valve on/off, fuel filter and carburetor.	A. 1. Any part of the system is not securely fastened. 2. There is fuel leaking at any point in the system. 3. Fuel tank cap is missing. 4. There is physical damage to any of the components. (Advise driver if contaminated fuel or fuel filter is discovered.)